

NEWS

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October, 1967

Students--some 300 of them--really have the department buzzing. Undergraduate agricultural engineers number just 1 less than last year, 124; agricultural mechanization majors include 40 upperclassmen and an additional 15-20 freshmen and sophomores who have expressed interest; and we have 24 graduate students. The latter group is indeed an interesting one with representatives from Arizona, the Republic of China, England, Alabama, New York, and India.

ILLINI AGRICULTURAL ENGINEER OF THE MONTH



Dr. Roscoe L. Pershing, MS '64 and Ph.D. '66, is our featured Illini Agricultural Engineer of the month. Roscoe is a native of Washington, Indiana, and received a B.S. degree from Purdue University. He is a research scientist in the Applied Science Department of Engineering Research at Deere and Company, Moline, Illinois.

ALUMNI NEWS

Arthur O. Radke '46 has been named technical director of the UOP Bostrom Division, Milwaukee, Wisconsin. He has been associated with the company for 17 years and has been the director of engineering since 1960.

James A. Thomas, Ag. Mech. '64, recently visited the department. Jim is a Lieutenant in the USAF. He will be stationed at Naha, Okinawa, where he will serve as a weapons controller.

Earl L. Moss '49 has been transferred to the River Basin Division of the Soil Conservation Service in Washington, D.C. His new home address is 7313 Lansing Drive, Camp Springs, Maryland 20031.

Robert W. Harper, '66 and '67, is in flight school with the U.S. Air Force. His new home address is Building 2183, Apt. 519, Randolph AFB, Texas.

Ronald C. Carver '58 was recently promoted to Division Manager at the Caterpillar Tractor Company. In this position, Ronald manages the engineering and cost analysis area in the Purchasing Division. His new home address is 1110 Foundulac Drive, East Peoria, Illinois 61611.

Murray W. Forth, '48 and '53, has been appointed manager of the agricultural engineering research group at Deere and Company. He has been employed by Deere for the past 14 years in the Product Development and Agricultural Engineering Research Departments.

R. Keith Beatty, Ag. Mech. '63, is serving as a 2nd Lieutenant in the USAF. Keith is a Titan II missile launch officer stationed at Little Rock Air Force Base, Jacksonville, Arkansas.

CENTRAL ILLINOIS SECTION, ASAE

Some 80 members and guests attended the Central Illinois Section meeting of ASAE on October 14. *Professor J. A. Weber*, '42 and '48, presented a discussion of model studies in soil dynamics. *Dr. F. B. Lanham* discussed an engineer's view of a developing agricultural university in India. A buffet lunch was served in the Agricultural Engineering Building, followed by the 57th Annual Homecoming featuring the Illinois-Minnesota football game at Zuppke Field.



Sixty members and guests attended a luncheon at the central Illinois Section.



Officers of the Central Illinois Section of ASAE. (Left to right, standing) William R. Miller, Vice-Chairman; Robert Fairbairn, Chairman; W. Ralph Nave, Secretary-Treasurer; (seated) Kenneth E. Fuller, Vice-Chairman; Carl M. Jacobs, Vice-Chairman.

STAFF NEWS

Professor A. J. Muehling '50 will be chairman of the 10th Annual Pork Industry Conference to be held in Lincoln, Nebraska, on November 9. *Dr. D. L. Day* will present a paper, "Current Status of the Oxidation Ditch, Summary of Research in the United States and Europe."

Don D. Jones, '66 and '67, attended a short course on gas chromatography held on October 2-4 in Cincinnati, Ohio.

Dr. R. R. Yoerger attended an educators conference sponsored by Deere and Company, Moline, Illinois, on October 11-13. Sixty-three staff members from universities throughout the U.S. attended.

Professor B. J. Butler, '48 and '49, attended the 26th Annual Short Course on Roadside Development, October 4-6, in Columbus, Ohio.

Dr. R. R. Yoerger attended a two-week program in August on noise and vibration reduction held at the Massachusetts Institute of Technology. The meeting was jointly sponsored by M.I.T. and Bolt, Beranek and Newman Associates of New York.

Professor R. N. Fenzl (who joined the staff in June, 1962) has resigned to accept a position as Assistant Professor, Suny Biomedical Communication Network, State University of New York, Syracuse, New York.

Professor R. C. Hay is the new chairman of the International Relations Committee, American Society of Agricultural Engineers. This committee deals with international activities of universities, government agencies, foundations, and industry. It will soon complete a roster of agricultural engineers with foreign service experience.

The Rural Fringe Conference will be held at Allerton House on November 9 and 10. *Professor D. G. Jedele* will discuss current practices in livestock waste disposal, and *Don D. Jones* will present a paper on livestock waste treatment research.

Professor H. H. Beaty recently attended the Illinois Farm Electrification Council Board of Directors and Materials Handling Committee meetings to make plans for a solid state electronics workshop for power supplier personnel. The IFEC and Agricultural Engineering Grain Drying Workshop is scheduled for January 16-18, 1968.

Professor F. W. Andrew, '38 and '47, and *Professor Beaty* attended the recent 14th Annual National Electric Farm Power Conference in Dallas, Texas. Professor Andrew led a discussion on the use of plastics in grain storages.

New staff members this year include *William E. Larsen* who holds a B.S. degree from the University of Nebraska and an M.S. degree from the University of Delaware. Bill will continue his graduate program, working with Dr. Yoerger in the area of hydraulic controls. *Yin-ren Chen* recently arrived from North Carolina State University, where he received his M.S. degree. He will be serving as an assistant in the power and machinery area while continuing his graduate program. *Thomas L. Hanna* (a June, 1967, agricultural engineering graduate from Purdue University) is a Hackett Fellow and will do graduate work in the power and machinery area. *Girish B. Johri* comes as an AID participant from the India Institute of Technology, Kharagpur, where he completed his undergraduate study. He will work with Dr. Jones in the area of soil and water mechanics.

Other new staff members include *Arthur A. Amberg* (a June graduate in Agricultural Engineering from Cornell University), who is serving as a part-time assistant while doing graduate study in the power and machinery area. *Peter D. Bloome* '65 has returned from his position as area extension engineer, Dixon, Illinois, to continue graduate study in the electrical power and processing area. *N. Alasdair Barron* (who received a B.S. degree from the National College of Agricultural Engineering, Silsoe, Bedford, England) will be serving as a graduate assistant in soil and water.

Dr. D. R. Hunt is teaching Ag. Mech. E331 "Farm Machinery Technology" at Macomb, Illinois. Eighteen students are registered for the course.

DEPARTMENTAL ACTIVITIES

The Annual Student-Staff Stag for agricultural engineering students was held on September 21, with 110 in attendance. The Deans of the College of Engineering and the College of Agriculture were present to welcome the students. Food was provided by the staff, after an informal evening of fun and games.

On October 3, a similar Student-Staff Stag was held for the agricultural mechanization students, with 65 in attendance. The College of Agriculture was represented by *Dean Warren Wessels*.

On September 30, approximately 2,000 high school students, teachers, and parents attended the annual Ag. Guest Day, sponsored by the College of Agriculture. Of this group, 165 visited the Agricultural Engineering Department.

Mark your calendars and plan to attend FARM STRUCTURES DAY on Thursday, November 16, 1967. This annual event is jointly sponsored by the Agricultural Engineering Department and the Illinois Lumber and Material Dealer's Association, Inc. The program this year will feature an afternoon tour of a nearby beef confinement barn and a visit to the swine-building research projects on the University Farm.

The department was recently visited by three men from the Federal Government of Denmark: Olav E. Kristiansen, assistant secretary in the Agricultural Council; Svend Clausen, assistant in the Agricultural Rationalization Fund; and Jorgen Borup, director of the Building Department. They were visiting the United States to learn how farm building plan services are organized and operated.

Dr. Udo Rieman of the Agricultural Engineering Department, Kiel University, Kiel, Germany, was group leader for 11 German farmers and machinery dealers who recently visited the department. *Professor A. J. Muehling '50* and *Professor H. B. Puckett* arranged a tour of the University Farms and other farms in central Illinois. The group was observing farmstead mechanization in beef, swine, and dairy operations.

According to ASAE Executive Secretary, J. L. Butt, a total of 300 papers were in the final evaluation for the 1967 ASAE Paper Awards. The 7 papers selected involved a total of 14 authors; of these, 4 are presently members of the departmental staff. An additional three had some or all of their professional training in this department; another was a former staff member. Therefore, one might say that 8 of the 14 authors are Illinois oriented.

The North Central Regional Research Committee meetings were held at the University of Illinois from October 16-20. Departmental representatives included *Professor H. B. Puckett*, NC-82 Materials Handling Systems; *Dr. D. L. Day*, NC-72 Swine Housing Environment; *Dr. J. O. Curtis*, '47 and '48, and *Professor D. G. Jedeke*, NCR-9 Midwest Plan Service.

MEN AND IDEAS IN ENGINEERING

Professor E. W. Lehmann was featured in one chapter of a recent book *Men and Ideas in Engineering*, Twelve Histories from Illinois, authored by R. A. Kingery, R. D. Berg, and E. H. Schillinger. The chapter "Power by Persuasion" deals with rural electrification in Illinois and how Professor Lehmann influenced this development. The book is available for \$5.00 from the Office of Engineering Publications, University of Illinois, Urbana, Illinois 61801.



Dean Howard Wakeland discussed the book Men and Ideas in Engineering at the recent meeting of the Central Illinois Section of ASAE.

HERE AND THERE

Congratulations to the *Richard G. Carlsons* on the arrival of a baby boy, Brett Alan, September 17, 1967. Dick is a research engineer with Allis-Chalmers Manufacturing Company, West Allis, Wisconsin.

Congratulations also go to the *Howard Dunlaps* on the arrival of a baby girl, Kellie Ann, September 3, 1967.

Thomas D. Langston was married on August 27 to Janet Miller of Mulbery, Indiana.

ADVANCED DEGREES

Douglas E. Kenyon completed requirements for the Master of Science Degree in Agricultural Engineering in August, 1967. Doug is continuing graduate study at Cornell University.

Don D. Jones has completed requirements for the Master of Science Degree in Agricultural Engineering. Don is employed in the department as a research assistant, and will be working with *Dr. Day* in the area of livestock waste treatment and disposal.

STUDENT ACTIVITIES



(Upper right) FIEI TROPHY AWARDS: Shown in center is R. G. Brandt (chief engineer, Side-Winder, FMC Corp.), chairman of the committee who presented FIEI Trophy awards during the Student Dinner. Winners of FIEI Trophy awards presented at the Student Dinner are (left to right): Gale Holloway (Colorado State University), third place, Group B; Will Hamilton (Oklahoma State University), second, Group B; Paul Taiganides (Ohio State University), first, Group B; Brandt; Ben McCash (University of Illinois), first, Group A; Stanley Steele (University of Georgia), second, Group A; and John Chamberlin (Michigan State University), third, Group A.

Again this fall, we have a group of students in the department who are participating in the James Scholar Program at the University. Continuing James Scholars in Engineering (upperclassmen who have a grade point of at least 4.3) are:

Robert E. Adams, Tampico, Illinois
Jerry C. Bonnett, Havana, Illinois
Daniel G. Roley, Shumway, Illinois

David R. Roley, Shumway, Illinois
Robert J. Sutter, Fairbury, Illinois

Freshman James Scholars (who must be in the upper 5 percent of their high school graduating class) include:

Roger E. Boyd, Carlyle, Illinois
Norman L. Klocke, Hoopeston, Illinois

Randall L. Fox, Stronghurst, Illinois

The program features flexibility in course selection, honors sections of required courses, undergraduate research, and summer employment. *Dr. R. R. Yoerger* serves as honors advisor in the department.